

**Methods and Compositions for Treating Abnormal Cell Growth Related to
Unwanted Guanine Nucleotide Exchange Factor Activity**

Abstract

5 Methods and compositions are described that affect the GTPase activity of
members of the Ras superfamily, preferably Rac, such compositions include
guanine nucleotide exchange factors that modulate the GTPase activity,
preferably in the presence of GEF enhancers, exemplary guanine nucleotide
exchange factors being Rac-GEF and Tiam-1, which are encoded by certain
nucleic acid sequences that are herein described, along with uses for the
10 guanine nucleotide exchange factors and the nucleic acid sequences
including screening for ligands which recognize Rac-GEF, regulators of
Rac-GEF activity, and methods of treating pathological conditions
associated or related to a Ras superfamily GTPase, including Rac.